BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: *Improvements Roads And Drains and Providing Covering Slabs at Ramchandrapura, Devappa Layout, Kalathur layout, Mariyamma Block and Surrounding areas in Ward No. 11 (Kuvempunagara) in Vidyaranyapura Sub Division.*

Job Code: 011-20-000119

P Code: *P-3726 Zonal Public Works*

Estimated Cost: Rs. 30.00 Lakh(s)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Improvements Roads And Drains and Providing Covering Slabs at Ganeshandrapura, Devappa Layout, Kalathur layout, Mariyamma Block and Surrounding areas in Ward No. 11 (Kuvempunagara) in Vidyaranyapura Sub Division.

	011-20-000119	P-3726		Estimate Cost:				3000000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 142 / Item No. 19.1 / PWD SR 2018-19**	Cum							
	Culvert		1	6.00	2.00	1.20	14.40		
	Kalathur Layout 2nd Main		2	150.00	0.45	0.45	60.75		
	Kalathur Layout 3rd Main		2	155.00	0.45	0.45	62.78		
	Kalathur Layout 4th Main		2	40.00	0.45	0.45	16.20		
	Berm Cutting								
	Kalathur Layout 2nd Main		2	150.00	0.90	0.20	54.00		
	Kalathur Layout 3rd Main		2	155.00	0.90	0.20	55.80		
	Kalathur Layout 4th Main		2	40.00	0.90	0.20	14.40		
	Basic Rate	130.00					**278.33**	243.88	**67878.00**
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	Total	**243.88**							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 27 / Item No. 5.33 PWD SR 2018-19**	Sqm							
	BS Slab Drain								
	Kalathur Layout 2nd Main		2	150.00		1.35	405.00		
	Kalathur Layout 3rd Main		2	155.00		1.35	418.50		
	Kalathur Layout 4th Main		2	40.00		1.35	108.00		
	Basic Rate	105.00					**931.50**	111.30	**103676.00**
	Area Weightage @ 6%	6.30							
	Total	**111.30**							
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 27 / Item No. 5.31.1 PWD SR 2018-19**	Sqm							
	Damaged Slabs & Missing Slabs 10%		Vide Item No. 2				93.15		
	Basic Rate	700.00					**93.15**	742.00	**69117.00**
	Area Weightage @ 6%	42.00							
	Total	**742.00**							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	B 5-14 : Providing and constructing load bearing ll with solid concrete blocks of size 400x150x200 nm having block density not lessthan 1800 kg/m3 and ing a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 27 / Item No. 5.26.2, PWD SR 2018-19**	Sqm							
	Kalathur Layout 2nd Main		2x2	150.00		0.40	240.00		
	Kalathur Layout 3rd Main		2x2	155.00		0.40	248.00		
	Kalathur Layout 4th Main		2x2	40.00		0.40	64.00		
	Basic Rate	924.00					**552.00**	979.44	**540651.00**
	Area Weightage @ 6%	55.44							
	Total	**979.44**							
5	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100 **Item No. 27.18 Page No. 222, PWD SR 2018-19**	cum							
	Culverts		1	6.00	2.00	0.15	1.80		
	Basic Rate	5115.00					**1.80**	5421.90	**9759.00**
	Area Weightage @ 6%	306.90							
	Total	**5421.90**							
6	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6, edges of stones** chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. **Page No. 255, Item No. 34.9, PWD SR 2018-19**	cum							
			2	6.00	0.60	0.90	6.48		
	Basic Rate	5483.00					**6.48**	5811.98	**37662.00**
	Area Weightage @ 6%	328.98							
	Total	**5811.98**							
7	KSRB 15.1.3 Providing **ruled pointing 20 mm deep** to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 115 / Item No. 15.3, PWD SR 2018-19**	Sqm							
			2	6.00		0.90	10.80		
	Basic Rate	142.00					**10.80**	150.52	**1626.00**
	Area Weightage @ 6%	8.52							
	Total	**150.52**							
8	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved). **As per PWD SR 2018-19**	Sqm							
			10	1.50	0.60		9.00		
							9.00	5418.00	**48762.00**
9	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved). **As per PWD SR 2018-19**	Sqm							
			2	150.00	0.90		270.00		

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			2	155.00	0.90		279.00		
			2	40.00	0.90		72.00		
							621.00	2337.00	**1451277.00**
J	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page. No. 255 / Item No.34.11 of PWD SR 2018-19**	cum							
	Culvert Coping		1	6.00	1.50	0.10	0.90		
	Ramp		2x1	6.00	1.00	0.15	1.80		
	Vent Concrete								
	Kalathur Layout 2nd Main		2	105.00	0.45	0.10	9.45		
	Kalathur Layout 3rd Main		2	80.00	0.45	0.10	7.20		
	Coping								
	Kalathur Layout 2nd Main		2x2	150.00	0.20	0.10	12.00		
	Kalathur Layout 3rd Main		2x2	155.00	0.20	0.10	12.40		
	Ramp								
	Kalathur Layout 2nd Main		2	150.00	0.30	0.10	9.00		
	Kalathur Layout 3rd Main		2	155.00	0.30	0.10	9.30		
	Basic Rate	5283.00					**62.05**	5599.98	**347479.00**
	Area Weightage @ 6%	316.98							
	Total	**5599.98**							
	Sub Total								**2677887.00**
	GST @ 12%								**321346.00**
	Miscellaneous and other Charges	L/S							**767.00**
								Total	**3000000.00**
	Rupees Thirty Lakh(s) Only								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19.
3 This work included under 2019-20 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
21/04

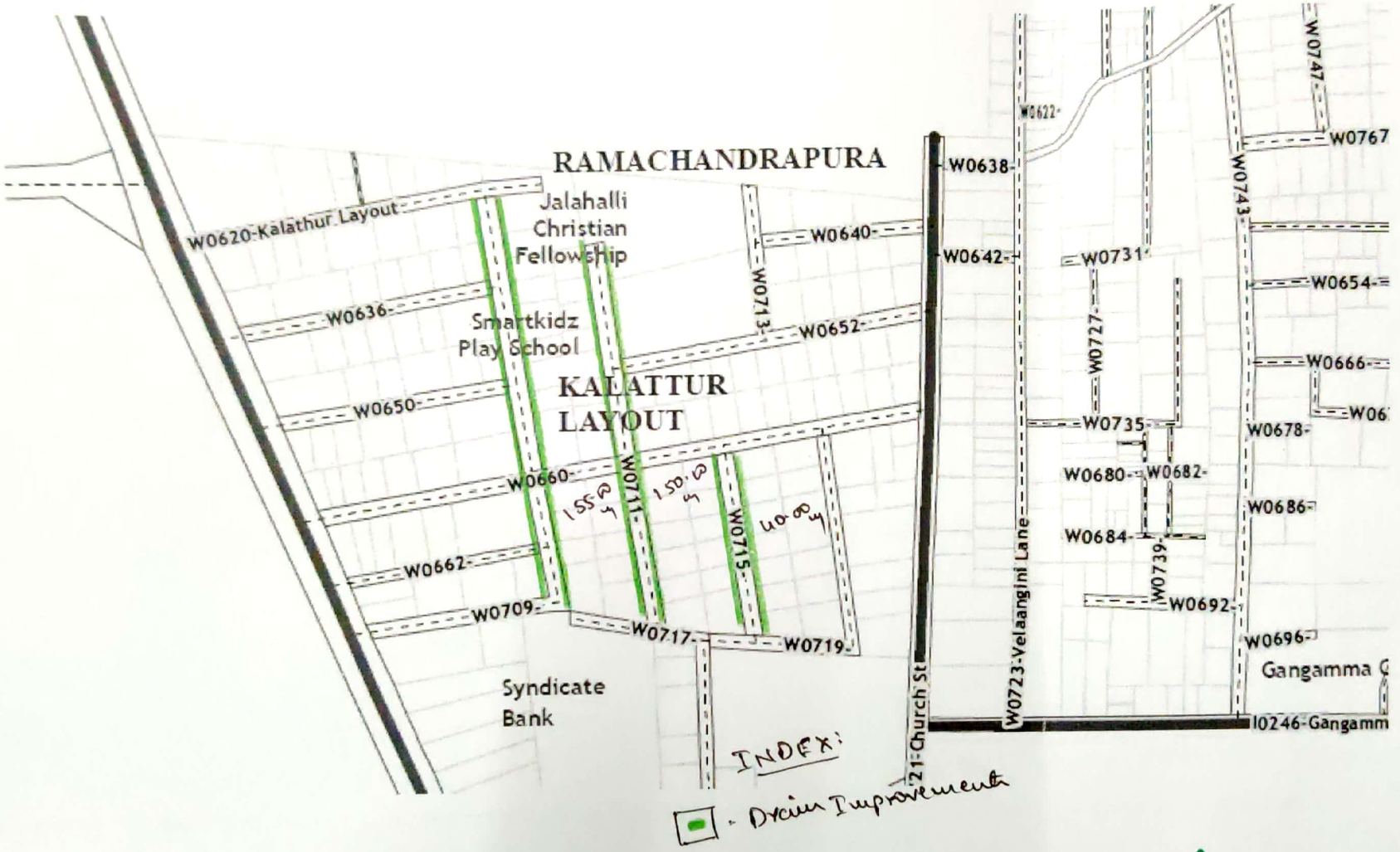
Administrative Approval
Accorded For Rs 30 lakhs only
Head of A/C. P3726
CER NO : 152 Dt: 20.03.2020

TA CE (YNK)

Technical Sanction
Accorded For Rs 30 lakhs only
Head of A/C. P3726
CER NO : 325 Dt: 20.03.2020

TA CE (YNK)

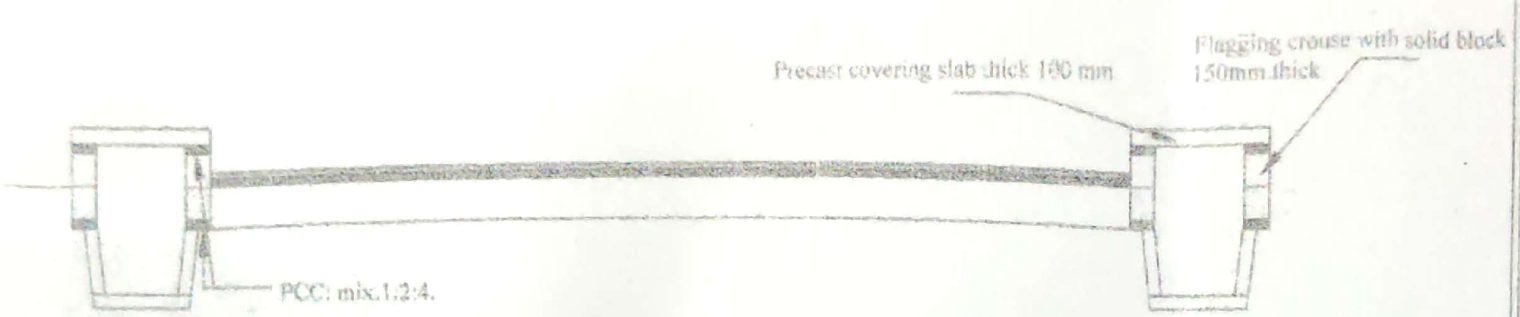
Name Of Work: Improvements Roads and Drains and Providing Covering Slabs at Ramchandrapura, Devappa Layout, Kalathur layout, Mariyamma Block and Surrounding areas in Ward No. 11 (Kuvempunagara) in Vidyaranyapura Sub Division.



Assistant Engineer
Ward No.11

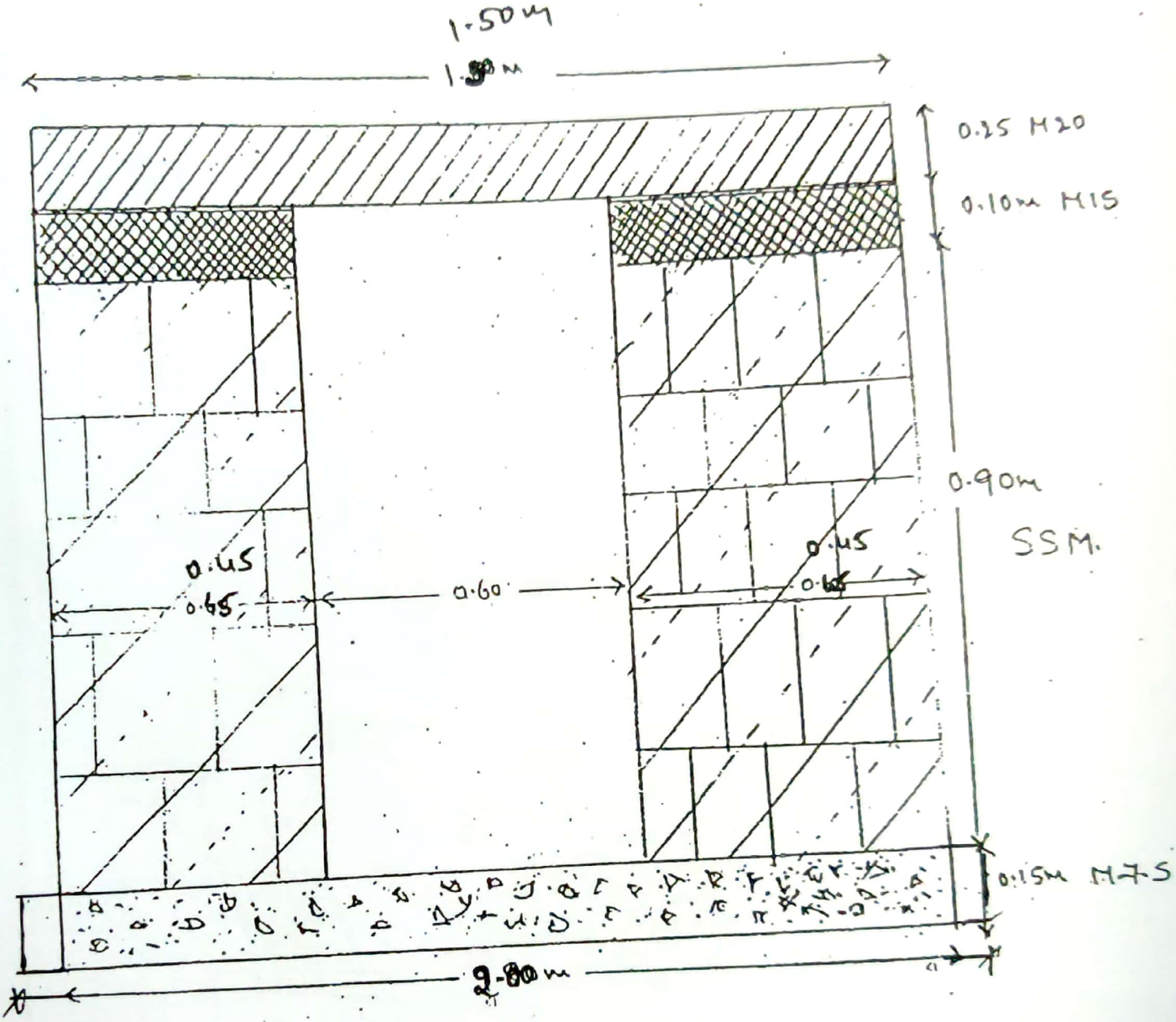
Assistant Executive Engineer
Vidyaranyapura Sub Division.

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97



CROSS SECTION OF SOLID BLOCK FLAGGING COURCE OVER B S SLAB DRAIN.

ಸೆ. ಕಾ. ಅ.



CROSS SECTION OF CULVERT

ಸ.ಕಾ.ಅ.

Scanned with CamScanner

152 - BYATARAYANAPURA AC
WARD NAME : 11 - KUVEMPU NAGAR

INDEX

- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
Bruhat Bangalore Mahanagara Palike

BBMP ENGINEERING DEPARTMENT

Road Inventory Form

General

Zone	Ward No.	Ward Name
YELAHANKA	11	Kuvempu Nagar
Street ID	**Street Name**	**Significant Landmark**
W0709	NA	KALATTUR LAYOUT
Unique Road No.	**Length of full Road(m)**	
11-W0709-12130	217	

Road Details

Road From	Road To
M0005	W0620
Type of Road	**Other Road Type**
Local	

Chainage at point (m)	Measured Width (m)	Existing Surface	Other Existing Surface	Remarks
0.00	5.50			
208.00	5.50			

Footpath

☐ Left

chainage at the point(m)	Type of Footpath	Other Footpath Type	Length (m)	Average Width(m)	No of Shoulder Drain	Kerb Chainages (m)	Remarks
	No Footpath		0.00000	0.00000	0	0.00000	

☐ Right

chainage at the point(m)	Type of Footpath	Other Footpath Type	Length (m)	Average Width(m)	No of Shoulder Drain	Kerb Chainages (m)	Remarks
	No Footpath		0.00000	0.00000	0	0.00000	

ಸ.ಕಾ.ಅ.

Drain

Particulars of side Drains

☐ **Left**

Drain Type	Other Drain Type	Construction Type	Other Construction Type	Flow Direction
Open		BS Slab		Others

Other Flow Direction Type	Length (m)	Average Width(m)
BOTH DIRECTIONS	208.00	0.50

☐ **Right**

Drain Type	Other Drain Type	Construction Type	Other Construction Type	Flow Direction
Open		BS Slab		Others

Other Flow Direction Type	Length (m)	Average Width(m)
BOTH DIRECTIONS	208.00	0.50

Culvert / Cross-Drainage details

Distance to Culvert from Road Start(m)	Type of Culvert	Other Culvert	Length/Span according to road width (m)	Width (m)
	Others	CONSTRUCTION WITH SSM & COVERED RCC SLABS	5.50	1.60
	Others	CONSTRUCTION WITH SSM & COVERED RCC SLABS	5.50	1.60
	Others	CONSTRUCTION WITH SSM & COVERED RCC SLABS	5.50	1.60

Existing Services

BESCOM	YES	**BWSSB**	YES
OFC		**Manholes**	YES
Others			

BRUHAT BANGALORE MAHANAGARA PALIKE

Zone: YELAHANKA **Ward No:** 11 **Ward Name:** Kuvempu Nagar **Street ID:** W0709

Date: 18/04/2020 Time: 17:37:32

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
Bruhat Bangalore Mahanagara Palike

BBMP ENGINEERING DEPARTMENT

Road Inventory Form

General

Zone	Ward No.	Ward Name
YELAHANKA	11	Kuvempu Nagar
Street ID	**Street Name**	**Significant Landmark**
W0711	NA	KALATTUR LAYOUT
Unique Road No.	**Length of full Road(m)**	
11-W0711-12131	136	

Road Details

Road From	Road To
W0717	DEAD END
Type of Road	**Other Road Type**
Local	

Chainage at point (m)	Measured Width (m)	Existing Surface	Other Existing Surface	Remarks
0.00	4.50			
133.40	4.50			

Footpath

☐ Left

chainage at the point(m)	Type of Footpath	Other Footpath Type	Length (m)	Average Width(m)	No of Shoulder Drain	Kerb Chainages (m)	Remarks
	No Footpath		0.00000	0.00000	0	0.00000	

☐ Right

chainage at the point(m)	Type of Footpath	Other Footpath Type	Length (m)	Average Width(m)	No of Shoulder Drain	Kerb Chainages (m)	Remarks
	No Footpath		0.00000	0.00000	0	0.00000	

ಸ.ಕಾ.ಅ.

Drain

Particulars of side Drains

☐ **Left**

Drain Type	Other Drain Type	Construction Type	Other Construction Type	Flow Direction
Open		BS Slab		Others

Other Flow Direction Type	Length (m)	Average Width(m)
BOTH DIRECTIONS	133.00	0.50

☐ **Right**

Drain Type	Other Drain Type	Construction Type	Other Construction Type	Flow Direction
Open		BS Slab		Others

Other Flow Direction Type	Length (m)	Average Width(m)
BOTH DIRECTIONS	133.00	0.50

Culvert / Cross-Drainage details

Distance to Culvert from Road Start(m)	Type of Culvert	Other Culvert	Length/Span according to road width (m)	Width (m)
	Others	CONSTRUCTION WITH SSM & COVERED RCC SLABS	4.50	1.60

Existing Services

BESCOM	YES		
OFC		**BWSSB**	YES
Others		**Manholes**	YES

BRUHAT BANGALORE MAHANAGARA PALIKE

Zone: YELAHANKA **Ward No:** 11 **Ward Name:** Kuvempu Nagar **Street ID:** W0711

Date: 18/04/2020 Time: 17:38:30

ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
Bruhat Bangalore Mahanagara Palike

BBMP ENGINEERING DEPARTMENT

Road Inventory Form

General

Zone	Ward No.	Ward Name
YELAHANKA	11	Kuvempu Nagar
Street ID	**Street Name**	**Significant Landmark**
W0715	NA	KALATTUR LAYOUT
Unique Road No.	**Length of full Road(m)**	
11-W0715-12143	68	

Road Details

Road From	Road To
W0660	DEAD END
Type of Road	**Other Road Type**
Local	

Chainage at point (m)	Measured Width (m)	Existing Surface	Other Existing Surface	Remarks
0.00	4.50			
63.40	4.50			

Footpath

☐ Left

chainage at the point(m)	Type of Footpath	Other Footpath Type	Length (m)	Average Width(m)	No of Shoulder Drain	Kerb Chainages (m)	Remarks
	No Footpath		0.00000	0.00000	0	0.00000	

☐ Right

chainage at the point(m)	Type of Footpath	Other Footpath Type	Length (m)	Average Width(m)	No of Shoulder Drain	Kerb Chainages (m)	Remarks
	No Footpath		0.00000	0.00000	0	0.00000	

ಸ.ಇ.ಅ.

Drain

Particulars of side Drains

	Drain Type	Other Drain Type	Construction Type	Other Construction Type	Flow Direction	Other Flow Direction Type	Length (m)	Average Width(m)
☐ Left	Open		BS Slab		North		63.00	0.50
☐ Right	Open		BS Slab		North		63.00	0.50

Culvert / Cross-Drainage details

Distance to Culvert from Road Start(m)	Type of Culvert	Other Culvert	Length/Span according to road width (m)	Width (m)
	Others	CONSTRUCTION WITH SSM & COVERED RCC SLABS	4.50	1.20

Existing Services

BESCOM	YES	**BWSSB**	YES
OFC		**Manholes**	YES
Others			

BRUHAT BANGALORE MAHANAGARA PALIKE

Zone: YELAHANKA **Ward No:** 11 **Ward Name:** Kuvempu Nagar **Street ID:** W0715

Date: 18/04/2020 Time: 17:39:37